

NTSB National Transportation Safety Board

Office of Aviation Safety



Flight Crew Performance

Captain's Experience

- Flight hours
 - -3,140 hours total
 - Learjet 60: 35 hours total,8 hours as pilot-in-command (PIC)
- Captain PIC in two type airplanes, limited experience in each
- Part 135: No minimum experience requirements for PIC in type



Training for RTOs

- Rejected takeoff (RTO) criteria
 - Before 80 kts: any anomaly
 - -80 kts V₁: major anomalies
 - Above V₁: continue takeoff
- RTO simulator training: engine failures at/around V₁
- No training on tire failures



Pretakeoff Briefing

- Captain incorrectly briefed RTO between V₁ and V₂
 - Contrary to training, procedures
 - V₂ occurs after rotation speed
- "Slip of the tongue"
- RTO after V₁ startled from event



Guidance on RTOs

- FAA's "Takeoff Safety Training Aid"
 - Tire failures difficult to identify
 - Pilots cautioned: Do not mistakenly
 RTO for tire failure
- NTSB Special Investigation Report: High-speed RTOs for tires common
- Typically no training for tire failures



Crew Resource Management

- Crew had some CRM training
- CRM skills exhibited not effective
 - Incorrect information read back
 - No direct challenge to captain's incorrect RTO briefing
 - Captain lacked leadership, wavered
- Incomplete FAA action for Part 135
 CRM training requirements





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